

**Flood Control Project Maintenance  
Levee Inspections****LMA District Cover Sheet****Spring 2012 Levee Inspection Results****Reclamation District No. 0017 Mossdale**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Reclamation District No. 0017 Mossdale**

Waterway			Bank	Unit Miles
Unit No. 01 French Camp Slough			Left	1.79
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN Engineering			

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 French Camp Slough				Left	1.79	03/27/2012 03/27/2012	Richard Willoughby	

  

LMR No.	Levee Mile		Category	Item	Location *	Rating + Ma	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
1	0.00	0.00	Earthen Levee	Operations & Maintenance Manuals	WS	A		°	°	3
								°	°	
DWR ID: DWR_RD0017_01_s_2012_3										
2	0.00	0.00	Earthen Levee	Emergency Supplies & Equipment	WS	A		°	°	4
								°	°	
DWR ID: DWR_RD0017_01_s_2012_4										
3	0.00	0.00	Earthen Levee	Flood Preparedness & Training	WS	A		°	°	5
								°	°	
DWR ID: DWR_RD0017_01_s_2012_5										
4	0.00	1.78	Earthen Levee	Vegetation	LS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.911290 °	37.915958 °	1
					Ma			-121.291100 °	-121.320728 °	Y
DWR ID: DWR_RD0017_01_s_2012_1										
5	0.00	1.78	Earthen Levee	Vegetation	WS	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.911292 °	37.915958 °	2
					Ma			-121.291097 °	-121.320732 °	
DWR ID: DWR_RD0017_01_s_2012_2										

**\* Location**

LS : Land Side  
WS : Water Side  
CR : Crown

**\*\* Rating**

A : Acceptable      N : Not Inspected/Rated  
M : Minimally Acceptable      C : Corrected  
U : Unacceptable      A/W : Acceptable but Monitor & Maintain

**+ Issue Type**

Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 French Camp Slough	Left	1.79	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	1.78
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking south at typical view of landside and waterside of levee.

richard\_s\_20120404\_218.jpg



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Spring 2012 Levee Inspection Results**

**Reclamation District No. 0017 Mossdale**

Waterway			Bank	Unit Miles
Unit No. 02 San Joaquin River			Right	14.45
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	3/27/2012 - 3/27/2012			
DWR Inspector	Richard Willoughby			
Accompanied By	Robert Winter KSN Engineering			

**Summer & Winter Inspections**

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River						Right	14.45	03/27/2012 03/27/2012	Richard Willoughby

  

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.07	0.07	Earthen Levee	Animal Control	LS A/W Ma	A1	Exterminate rodents and backfill and compact or grout burrows.	37.915161 ° -121.321595 °	37.915161 ° -121.321595 °	7
DWR ID: DWR_RD0017_02_s_2012_7										
2	0.24	14.44	Earthen Levee	Vegetation	LS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.913145 ° -121.323430 °	37.772155 ° -121.289270 °	5
DWR ID: DWR_RD0017_02_s_2012_5										
3	0.27	14.44	Earthen Levee	Vegetation	WS Ma	M	V1 : Control annual grass and weeds on the levee slopes and easements.	37.912735 ° -121.323533 °	37.772153 ° -121.289267 °	6
DWR ID: DWR_RD0017_02_s_2012_6										
4	0.46	0.46	Earthen Levee	Animal Control	LS A/W Ma	A1	Exterminate rodents and backfill and compact or grout burrows.	37.910190 ° -121.324424 °	37.910190 ° -121.324424 °	8
DWR ID: DWR_RD0017_02_s_2012_8										
5	0.83	0.83	Earthen Levee	Encroachments	LS En	M	CR : Crops Inspector Comments: New cactus plantings at landside toe of levee eight feet from landowner fence.	37.905372 ° -121.322727 °	37.905372 ° -121.322727 °	10 Y
DWR ID: DWR_RD0017_02_s_2012_10										
6	1.19	1.19	Earthen Levee	Encroachments	LS En	M	PR : Prunings	37.901047 ° -121.325525 °	37.901047 ° -121.325525 °	12 Y
DWR ID: DWR_RD0017_02_s_2012_12										
7	4.24	4.27	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	37.863819 ° -121.320784 °	37.863601 ° -121.320299 °	48 Y
DWR ID: DWR_RD0017_02_s_2012_48										
8	4.28	4.32	Earthen Levee	Encroachments	LS En	U	CR : Crops	37.863582 ° -121.320230 °	37.862947 ° -121.319812 °	11 Y
DWR ID: DWR_RD0017_02_s_2012_11										
9	4.42	4.44	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	37.861673 ° -121.320115 °	37.861370 ° -121.320102 °	1 Y
DWR ID: DWR_RD0017_02_s_2012_1										
10	4.46	4.46	Earthen Levee	Trim / Thin Trees	LS A/W Ma	A1	T1 : Trim trees to at least five feet above ground level.	37.861223 ° -121.319957 °	37.861223 ° -121.319957 °	2
DWR ID: DWR_RD0017_02_s_2012_2										
11	5.01	5.01	Earthen Levee	Encroachments	LS En	A/W	PR : Prunings	37.855343 ° -121.319845 °	37.855343 ° -121.319845 °	3
DWR ID: DWR_RD0017_02_s_2012_3										
12	5.55	5.55	Earthen Levee	Trim / Thin Trees	LS Ma	M	T4 : Trim trees over roadway to at least 12 feet above ground level.	37.850652 ° -121.320498 °	37.850652 ° -121.320498 °	568
DWR ID: DWR_RD0017_02_s_2012_568										
13	5.58	5.58	Earthen Levee	Animal Control	LS A/W Ma	A3	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	37.850118 ° -121.320188 °	37.850118 ° -121.320188 °	76
DWR ID: DWR_RD0017_02_s_2012_76										
14	5.62	5.85	Earthen Levee	Vegetation	LS En	U	V6 : Landscaping	37.849472 ° -121.320159 °	37.848582 ° -121.323647 °	54 Y
DWR ID: DWR_RD0017_02_s_2012_54										
15	5.77	5.77	Earthen Levee	Vegetation	WSA/W Ma	V4	Elderberries are blocking visibility and flood fight capability.	37.849267 ° -121.322590 °	37.849267 ° -121.322590 °	19
DWR ID: DWR_RD0017_02_s_2012_19										

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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River							Right	14.45	03/27/2012 03/27/2012	Richard Willoughby
LMR No.	Levee Mile		Category	Item	* Location	Rating + + + + +	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	Photo
16	6.82	7.07	Earthen Levee	Encroachments	LS	M En	CR : Crops Inspector Comments: alfafa five feet from levee toe.	37.838668 ° -121.316663 °	37.835402 ° -121.315262 °	13
								DWR ID: DWR_RD0017_02_s_2012_13		
17	7.51	7.51	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T1 : Trim trees to at least five feet above ground level.	37.830350 ° -121.310880 °	37.830350 ° -121.310880 °	4
								DWR ID: DWR_RD0017_02_s_2012_4		
18	7.67	7.69	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.828095 ° -121.309945 °	37.827920 ° -121.309847 °	25 Y
								DWR ID: DWR_RD0017_02_s_2012_25		
19	9.40	9.40	Earthen Levee	Vegetation	LS	M Ma	V4 : Elderberries are blocking visibility and flood fight capability.	37.815243 ° -121.317470 °	37.815243 ° -121.317470 °	9
								DWR ID: DWR_RD0017_02_s_2012_9		
20	9.49	9.49	Earthen Levee	Trim / Thin Trees	WSA/W	T1 : Trim trees to at least five feet above ground level.	37.815658 ° -121.318940 °	37.815658 ° -121.318940 °	569	
								DWR ID: DWR_RD0017_02_s_2012_569		
21	13.73	13.73	Earthen Levee	Trim / Thin Trees	LS	A/W Ma	T1 : Trim trees to at least five feet above ground level.	37.775730 ° -121.298943 °	37.775730 ° -121.298943 °	570
								DWR ID: DWR_RD0017_02_s_2012_570		
22	14.02	14.26	Earthen Levee	Animal Control	WSA/W	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.774285 ° -121.295703 °	37.773138 ° -121.291763 °	37	
								DWR ID: DWR_RD0017_02_s_2012_37		
23	14.04	14.44	Earthen Levee	Animal Control	LS	A/W Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.	37.774262 ° -121.295305 °	37.772163 ° -121.289295 °	38
								DWR ID: DWR_RD0017_02_s_2012_38		

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	5
Start Levee Mile	0.83
End Levee Mile	0.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Looking west at new cactus plantings on landside toe.

richard\_s\_20120330\_218.jpg



Levee Mile Report Line	7
Start Levee Mile	4.24
End Levee Mile	4.27
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking southeast at dense ground cover on landside slope.

richard\_s\_20120330\_219.jpg



Levee Mile Report Line	8
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Grape vines on landside slope from LM 4.28 to 4.32

richard\_s\_20120313\_633.jpg



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**Flood Control Project Maintenance  
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**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	8
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking southeast at grape vines on landside slope	
richard_s_20120313_634.jpg	



Levee Mile Report Line	8
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking south at landscaping with grape vines on landside slope	
richard_s_20120313_635.jpg	



Levee Mile Report Line	8
Start Levee Mile	4.28
End Levee Mile	4.32
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Looking northeast at dense landscaping on landside slope.	
richard_s_20120313_636.jpg	



<b>* Location</b> LS : Land Side WS : Water Side CR : Crown	<b>** Rating</b> A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	<b>+ Issue Type</b> Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Spring 2012**

**Reclamation District No. 0017 Mossdale**

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	9
Start Levee Mile	4.42
End Levee Mile	4.44
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southeast at ground cover on landside slope.	
richard_s_20120313_631.jpg	



Levee Mile Report Line	9
Start Levee Mile	4.42
End Levee Mile	4.44
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking southwest at landscaping and boat dock on waterside slope and channel.	
richard_s_20120313_632.jpg	



Levee Mile Report Line	14
Start Levee Mile	5.62
End Levee Mile	5.85
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Looking south at overgrown landscaping on waterside slope.	
richard_s_20120313_638.jpg	



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**Flood Control Project Maintenance  
Levee Inspections**

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 San Joaquin River	Right	14.45	03/27/2012 03/27/2012	Richard Willoughby

Levee Mile Report Line	14
Start Levee Mile	5.62
End Levee Mile	5.85
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Looking west at landscaping on waterside slope.

richard\_s\_20120313\_639.jpg



Levee Mile Report Line	18
Start Levee Mile	7.67
End Levee Mile	7.69
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Elderberry blocking view of landside slope and toe from LM 7.67 to 7.69

richard\_s\_20120313\_637.jpg



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